

ANNUAL REPORT FOR 2002



Scranton Creek Bridge Mitigation Site
Hyde County
TIP No. B-3193



Prepared By:
Natural Systems Unit & Roadside Environmental Unit
North Carolina Department of Transportation
December 2002

TABLE OF CONTENTS

SUMMARY.....	1
1.0 Introduction	2
.1 Project Description	2
.2 Purpose	2
.3 Project History	2
2.0 Vegetation:	4
.1 Success Criteria	4
.2 Description of Species.....	4
.3 Results of Vegetation Monitoring	4
.4 Conclusions.	4
3.0 Overall Conclusions and Recommendations	4

FIGURES

Figure 1. Site Location Map.....	3
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APPENDICES

Appendix A – Site Photos	5
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SUMMARY

The Scranton Creek Bridge Mitigation Site is located in Hyde County. The site was planted in 2002 and was designed as mitigation for wetland impacts associated with bridge project B-3193.

The mitigation encompasses approximately 0.60 acres total of wetland restoration. The restoration effort involved the removal of the temporary roadway fill related to the detour. The restoration area was revegetated with bottomland hardwood species. The area is being monitored to ensure that it re-attains wetland jurisdictional status. No hydrologic monitoring is required for this project; however, vegetation monitoring is required for three years.

After the first year of monitoring, the Scranton Creek Bridge site shows by visual observation that the planted species are surviving and that the impacted area is re-attaining jurisdictional status.

NCDOT recommends continuing monitoring of this site.

1.0 INTRODUCTION

1.1 Project Description

The Scranton Creek Bridge Mitigation site is located at Bridge No. 29 on US 264/NC 45 in Hyde County. The site consists of approximately 0.60 acres of mitigation for wetland impacts associated with project B-3193

1.2 Purpose

In order for a mitigation site to be considered successful, a site must meet success criteria in vegetation. This report details the vegetation monitoring in 2002 at the Scranton Creek Bridge mitigation Site. Hydrologic monitoring was not required for the site.

1.3 Project History

March 2002	Site planted
December 2002	Vegetation Monitoring (1 year)

**B-3193 Scranton Creek
Bridge Site
US264/NC45
Scranton, Hyde Co**

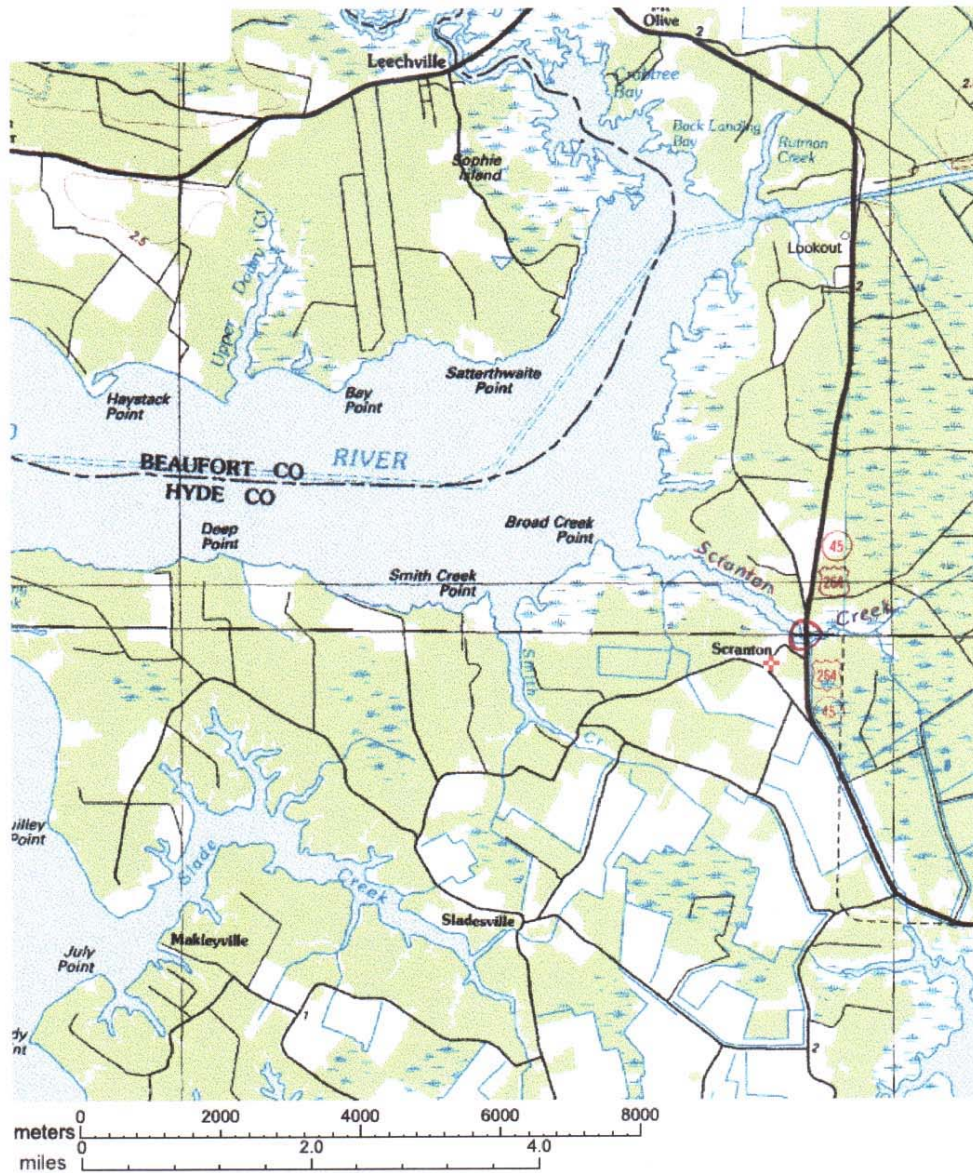


Figure 1. Site Location Map

2.0 VEGETATION: SCRANTON CREEK BRIDGE MITIGATION SITE (YEAR 1 MONITORING)

2.1 Success Criteria

Success Criteria states that the impacted area where the onsite detour was removed shall be replanted using bottomland hardwood species and must re-attain jurisdictional status at the end of three years.

2.2 Description of Species

The following wetland species were planted in the Wetland Restoration Area:

Taxodium distichum, Baldcypress

Nyssa sylvatica var. *biflora*, Swamp Blackgum

Quercus phellos, Willow Oak

Quercus falcata var. *pagodaefolia*, Cherrybark Oak

Fraxinus pennsylvanica, Green Ash

2.3 Results of Vegetation Monitoring

The impacted area where the onsite temporary detour was removed and revegetated is re-attaining jurisdictional status and the planted species are surviving.

Site Notes: Other species noted include: *Juncus* sp., cattails, black willow.

2.4 Conclusions

There were approximately 0.60 acres total of wetland restoration on site. There were no plots established on the site. By visual observation the Scranton Creek Bridge site shows that the planted species are surviving and that the impacted area is re-attaining jurisdictional status.

3.0 Overall Conclusions and Recommendations

NCDOT proposes to continue monitoring at the Scranton Creek Bridge Site.

APPENDIX A

SITE PHOTOS

Scranton Creek Bridge



Photo 1



Photo 2



Photo 3



Photo 4



Photo 5



Photo 6